

Fossil Fuels Web Activity

Name: _____

FOSSIL FUELS

<http://energyquest.ca.gov/story/chapter08.html>

Three Major Forms of Fossil Fuels:

Why are they called “fossil fuels?”

Summarize the process in which fossil fuels formed.

COAL

<http://www.eia.doe.gov/kids/energyfacts/sources/non-renewable/coal.html>

What are the 4 main types of coal?

How is coal ranked?

Which type of coal. . .

Is only mined in the U.S. in Northeastern Pennsylvania?

Has the lowest energy content?

Is an important raw material for the steel & iron industries?

What are coal reserves?

What is the amount of coal in U.S. coal reserves?

Coal is mined in _____ states. The top 4:

HISTORY OF COAL MINING IN PENNSYLVANIA

<http://www.pacoalhistory.com/history.html>

How did the discovery of anthracite's potential spur development in Northeastern PA?

What did the demand for labor lead to?

What was the 1st coal miners' union and where and when was it formed?

What was the Lattimer Massacre?

Who were the Molly Maguires?

What was the greatest challenge in the early years of mining?

Name the two ways that this challenge was solved.

COAL MINING

<http://www.depweb.state.pa.us/inspector/cwp/view.asp?a=3&q=475086>

What 2 types of coal are mined in Pennsylvania?

What 3 things have improved the safety record of the mining industry?

What is the single largest source of water pollution in PA?

Describe how it forms.

USES OF COAL

<http://www.eia.doe.gov/kids/energyfacts/sources/non-renewable/coal.html>

How Coal Is Used:

For _____

For _____:

Used to make:

For _____

For _____

OIL

<http://energyquest.ca.gov/story/chapter08.html>

What did the Native Americans use oil for?

Who drilled the 1st oil well in the U.S. in 1859 (and where)?

What happens at an oil refinery?

What are some products made from oil?

NATURAL GAS

Natural gas is made up mostly of which gas? What is its chemical formula?

Why is natural gas mixed with another chemical before it is sent to pipelines & storage tanks?

You're On Your Own. . .

Name 3 ways in which the burning of fossil fuels affects the environment.

What is it. . .

- The name of the chemical added to natural gas to give it an odor _____
- Material overlaying coal that must be removed before mining starts

- Used by early miners to test coal mines for natural gas or other harmful gases

- Another name for oil _____
- Process of restoring mines to their previous condition _____
- A slurry:

- Invention of Sir Humphry Davy: